

AMENDMENT

Please replace the claims with the following:

1 1. (Twice Amended) A method for selectively auditing accesses to a
2 relational database system, comprising:
3 receiving a query from a client at a database server that processes queries
4 for the relational database system;
5 automatically modifying the query prior to processing the query, so that
6 processing the query causes an audit record to be created and recorded for rows in
7 relational tables that are accessed by the query and that satisfy an auditing
8 condition;
9 processing the query at the database server to produce a query result;
10 creating the audit record only for rows in relational tables that are actually
11 accessed by the query and that satisfy the auditing condition, wherein creating the
12 audit record includes:
13 determining if auditing is enabled,
14 creating the audit record if auditing is enabled, and
15 recording the audit record in an audit record store; and
16 returning the query result to the client.

Claim 2 was previously cancelled without prejudice.

1 3. (Unchanged) The method of claim 1, wherein the auditing condition is
2 associated with a table in the relational database system.

1 4. (Unchanged) The method of claim 1, wherein the auditing condition
2 includes a plurality of auditing conditions.

1 5. (Unchanged) The method of claim 1, wherein the audit record includes:
2 a user name for a user making the query;
3 a time stamp specifying a time of the query; and
4 a text of the query.

Please cancel claim 6 without prejudice.

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1 7. (Once Amended) The method of claim 1, wherein auditing is enabled on
2 a table by table basis.

1 8. (Unchanged) The method of claim 1, wherein the audit record is created
2 while the query result is being generated.

1 9. (Unchanged) The method of claim 1, wherein the audit record is created
2 after the query result is generated.

1 10. (Unchanged) The method of claim 1, wherein the auditing condition
2 includes a condition for a field within the relational database system.

1 11. (Twice Amended) A computer-readable storage medium storing
2 instructions that when executed by a computer cause the computer to perform a
3 method for selectively auditing accesses to a relational database system, the method
4 comprising:

5 receiving a query from a client at a database server that processes queries
6 for the relational database system;

7 automatically modifying the query prior to processing the query, so that
8 processing the query causes an audit record to be created and recorded for rows in
9 relational tables that are accessed by the query and that satisfy an auditing
10 condition;

11 processing the query at the database server to produce a query result;

12 creating the audit record only for rows in relational tables that are actually
13 accessed by the query and that satisfy the auditing condition, wherein creating the
14 audit record includes:

15 determining if auditing is enabled,

16 creating the audit record if auditing is enabled, and

17 recording the audit record in an audit record store; and

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returning the query result to the client.

Claim 12 was previously cancelled without prejudice.

1 13. (Unchanged) The computer-readable storage medium of claim 11,
2 wherein the auditing condition is associated with a table in the relational database
3 system.

1 14. (Unchanged) The computer-readable storage medium of claim 11,
2 wherein the auditing condition includes a plurality of auditing conditions.

1 15. (Unchanged) The computer-readable storage medium of claim 11,
2 wherein the audit record includes:
3 a user name for a user making the query;
4 a time stamp specifying a time of the query; and
5 a text of the query.

Please cancel claim 16 without prejudice.

1 17. (Once Amended) The computer-readable storage medium of claim 11,
2 wherein auditing is enabled on a table by table basis.

1 18. (Unchanged) The computer-readable storage medium of claim 11,
2 wherein the audit record is created while the query result is being generated.

1 19. (Unchanged) The computer-readable storage medium of claim 11,
2 wherein the audit record is created after the query result is generated.

1 20. (Unchanged) The computer-readable storage medium of claim 11,
2 wherein the auditing condition includes a condition for a field within the relational
3 database system.

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1 21. (Twice Amended) An apparatus that selectively audits accesses to a
2 relational database system, comprising:
3 a database server;
4 a receiving mechanism, at the database server, that is configured to receive
5 a query from a client;
6 a query modification mechanism that is configured to modify the query
7 prior to processing the query, so that processing the query causes an audit record to
8 be created and recorded for rows in relational tables that are accessed by the query
9 and that satisfy an auditing condition;
10 a query processor that is configured to process the query at the database
11 server to produce a query result;
12 an auditing mechanism that is configured to,
13 create the audit record only for rows in relational tables that
14 are actually accessed by the query and that satisfy the auditing
15 condition, wherein creating the audit record includes:
16 determining if auditing is enabled,
17 creating the audit record if auditing is enabled, and
18 recording the audit record in an audit record store;
19 and
20 a returning mechanism that returns the query result to the client.

Claim 22 was previously cancelled without prejudice.

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1 23. (Unchanged) The apparatus of claim 21, wherein the auditing condition
2 is associated with a table in the relational database system.

1 24. (Unchanged) The apparatus of claim 21, wherein the auditing condition
2 includes a plurality of auditing conditions.

1 25. (Unchanged) The apparatus of claim 21, wherein the audit record
2 includes:
3 a user name for a user making the query;

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a time stamp specifying a time of the query; and
a text of the query.

Please cancel claim 26 without prejudice.

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- 1 27. (Once Amended) The apparatus of claim 21, wherein the auditing
2 mechanism is configured to enable auditing on a table by table basis.
- 1 28. (Unchanged) The apparatus of claim 21, wherein the auditing
2 mechanism is configured to create the audit record while the query result is being
3 generated.
- 1 29. (Unchanged) The apparatus of claim 21, wherein the auditing
2 mechanism is configured to create the audit record after the query result is
3 generated.
- 1 30. (Unchanged) The apparatus of claim 21, wherein the auditing condition
2 includes a condition for a field within the relational database system.